

LISTING OF THE CLAIMS

1. (Previously Presented) A recording and reproducing apparatus for recording a first packet stream containing first AV transport packets and first data table packets for managing the first AV transport packets, the recording and reproducing apparatus comprising:

a demultiplexer for demultiplexing the first packet stream into the first AV transport packets and the first data table packets;

a memory for storing the first data table packets;

an AV decoder for decoding the first AV transport packets and outputting AV data;

an AV encoder for encoding the AV data and outputting second AV transport packets;

a data table packet generator for constructing second data table packets, based on the first data table packets stored in said memory, for managing the second AV transport packets; and

a multiplexer for multiplexing the second AV transport packets and the second data table packets, and outputting the multiplexed second AV transport packets and second data table packets in a second packet stream;

wherein the second data table packets contain parental control information.

2. (Previously Presented) A recording and reproducing apparatus as described in claim 1, further comprising:

a digital tuner for receiving and demodulating digital broadcasts; and

a storage controller for recording the first packet stream or the second packet stream;

wherein the first packet stream or the second packet stream stored in the storage

controller is input to the demultiplexer.

3-6. (Canceled)

7. (Previously Presented) A recording and reproducing apparatus as described in claim 2, further comprising:

a program table data processor for collecting program information from the first packet stream or the second packet stream and generating a program table; and

a user interface unit for receiving user input;

wherein the demultiplexer outputs the first AV transport packets and the first data table packets for a program selected from the user interface unit.

8. (Previously Presented) A recording and reproducing apparatus as described in claim 7, wherein the storage controller records the first packet stream or the second packet stream based on input from the user interface unit.

9. (Original) A recording and reproducing apparatus as described in claim 7, wherein the AV encoder determines the compression rate based on input from the user interface unit.

10. (Previously Presented) A recording and reproducing apparatus as described in claim 1, further comprising an age setting unit for setting a viewer age;

wherein the age set by the age setting unit and the parental control information are compared, and

an AV decoding process is run if the age set by the age setting unit is greater than or equal to the parental control information, and the AV decoding process is prohibited if not.

11. (Canceled)

12. (Previously Presented) A recording and reproducing method for recording a packet stream containing first AV transport packets and first data table packets for managing the first AV transport packets, the recording and reproducing method comprising the steps of:

demultiplexing the first packet stream into the first AV transport packets and the first data table packets;

storing the first data table packets in a memory;

decoding the first AV transport packets and outputting AV data;

encoding the AV data and outputting second AV transport packets;

constructing second data table packets, based on the first data table packets, for managing the second AV transport packets; and

multiplexing the second AV transport packets and the second data table packets, and outputting the multiplexed second AV transport packets and second data table packets in a second packet stream;

wherein the second data table packets contain parental control information.

13. (Previously Presented) A recording and reproducing method as described in claim 12, further comprising the steps of:

receiving and demodulating a digital broadcast; and

determining a recording program to be recorded from the digital broadcast received in said determining step;

wherein said demultiplexing step comprises demultiplexing the first packet stream of the recording program determined to be recorded in said determining step into the first AV transport packets and the first data table packets.

14-17. (Canceled)

18. (Previously Presented) A recording and reproducing method as described in claim 12, further comprising a step of setting, by an age setting unit, a viewer age;

wherein the age set by the age setting unit and the parental control information are compared, and

an AV decoding process is run if the age set by the age setting unit is greater than or equal to the parental control information, and the AV decoding process is prohibited if not.

19. (Original) A computer-readable recording medium recording a program for executing on a computer the steps described in claim 12.

20. (Original) A program for executing on a computer the steps described in claim 12.

21. (Previously Presented) A recording and reproducing apparatus as described in claim 1, wherein the AV data is an analog signal.

22. (Previously Presented) A recording and reproducing apparatus as described in claim 1, wherein the AV data is a baseband signal.

23. (Previously Presented) A recording and reproducing method as described in claim 13, further comprising the steps of:

collecting program information from the first packet stream or the second packet stream, and generating a program table; and

receiving user input;

wherein said demultiplexing step comprises outputting the first AV transport packets and the first data table packets for a program selected by a user in said receiving user input step.

24. (Previously Presented) A recording and reproducing method as described in claim 23, wherein said determining step comprises determining a recording program of either the first packet stream or the second packet stream based on the program selected by the user in said receiving user input step.

25. (Previously Presented) A recording and reproducing method as described in claim 13, wherein said encoding step comprises determining the compression rate based on input from the user in said receiving user input step.

26. (Previously Presented) A recording and reproducing method as described in claim 12, wherein the AV data is an analog signal.

27. (Previously Presented) A recording and reproducing method as described in claim 12, wherein the AV data is baseband signal.